FEI | Faith Engineering, Inc.

541 Quantum Rd. NE
Rio Rancho, New Mexico 87124
(505) 243-5494 • FAX (505) 243-5585
e-mail • faithinc@flash.net

June 5, 2001

Mr. Nolan Bennett
Environmental Health Scientist
Bernalillo County Environmental Health Department
600 Second St. NW, Suite 500
Albuquerque, NM 87102

Sent via e-mail: nbennett@bernco.gov and US Mail

RE: Transmittal of 3rd Quarterly Ground Water Sampling Results
305 Isleta SW, The Pit Stop Site; NMED/USTB Facility ID No. 24299001/29986
Contract Control No. 980473
FEI Project No. 98-01-1173-05

Dear Nolan:

Please find included herewith the report for the third quarter of ground water sampling and analysis for the subject site. Sampling was conducted on April 27, 2001.

As you are aware, Faith Engineering, Inc. and their subcontractor Tecumseh Professional Associates (FEI/TPA) are preparing a work plan for remedial design at this site.

During this quarter, total naphthalene concentrations (which includes mono-methyl napthalenes) above the NMWQCC standard of 30 µg/l were found in three monitor wells. These wells, MW-1, MW-2, and MW-3 were analyzed and the following PNAs were detected respectively: 1-methyl naphthalene (28 µg/l, 8.0 µg/l, and 9.3 µg/l), 2-methyl naphthalene (<25 µg/l, 11 µg/l, and 6.3 µg/l), and naphthalene (35 µg/l, 53 µg/l, and 18 µg/l). Benzene concentrations have been non-detectable in all of the sites well's since sampling was conducted for the initial site investigation conducted in March and June 1999. Although total xylene concentrations above the NMWQCC standard of 620 µg/l were detected last quarter in MW-1, all monitoring wells were below total xylene concentration standards this quarter. This would indicate that the contaminant plume is an older, weathered one. Results of the next quarter of ground water monitoring will be provided by 8/15/01.

Please do not hesitate to contact the undersigned if you have any questions or comments regarding this matter.

Respectfully submitted,

FAITH ENGINEERING, INC.

Stuart E. Faith, P.E., C.S. #080
President

cc. w/ encls. Mr. Tom Leck – NMED/USTB
Mr. Bill Brown - TPA

FEI FILE NUMBER 98-01-1173-05

THIRD QUARTERLY SAMPLING REPORT
THE PIT STOP
305 ISLETA BLVD. SW
ALBUQUERQUE, NEW MEXICO
FACILITY #24299001/29986

PREPARED BY:

STUART FAITH, P.E.
FAITH ENGINEERING, INC.
541 QUANTUM RD. NE
RIO RANCHO, NEW MEXICO 87124
(505) 243-5494 • FAX (505) 243-5585

BILL BROWN, C.P.G.
TECUMSEH PROFESSIONAL ASSOCIATES, INC.
5600 WYOMING NE, SUITE 150
ALBUQUERQUE, NM 87109
(505) 293-1156 • FAX (505) 293-1971

JUNE 05, 2001

PREPARED FOR:

THE BERNALILLO COUNTY ENVIRONMENTAL HEALTH DEPARTMENT
AND
THE NEW MEXICO ENVIRONMENT DEPARTMENT
UNDERGROUND STORAGE TANK BUREAU

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COVER PAGE
FORM 1216
QUARTERLY MONITORING REPORT

Please include the following information:

1. **Site name:** The Pit Stop
2. **Responsible party:** Mr. Nolan Bennett
3. **Responsible party mailing address** (list contact person if different):

   Bernalillo County Environmental Health Dept.

   600 2nd Street NW, Suite 500

   Albuquerque, NM 87102
4. **Facility number:** 24299001/29986
5. **Address/legal description:** 305 Isleta Blvd. SW

   Albuquerque, NM
6. **Author/consulting company:** Faith Engineering, Inc.
7. **Date of report:** 06/05/2001
8. **Date of confirmation of release or date USTB was notified of the release:**

   April, 1998

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:_____

Name: Stuart Faith

Affiliation: Faith Engineering, Inc.

Title: President

Certified Scientist #: 080

Date:_____

I. INTRODUCTION:

I. A. Scope of Work

Faith Engineering, Inc. (FEI), in collaboration with Tecumseh Professional Associates, Inc. (TPA), has been retained by the Bernalillo County Environmental Health Department to provide professional environmental services at the Pit Stop site, 305 Isleta SW, Albuquerque, New Mexico (the Site). The location of the Site is shown on Figure 1. This report documents the third quarter of ground water sampling conducted at the site on April 27, 2001. The period covered in this report is from February 2001 to April 2001.

I. B. This quarter's highlights

This sampling event represents the third quarter of ground water quality re-examination as outlined in the work plan approval letter dated November 14, 2000. The sampling event provides the sample results with field testing of all 7 ground water monitoring wells.

II. ACTIVITIES PERFORMED DURING THIS QUARTER:

II. A. Brief description of the remediation system and date installed

There is no remediation system installed at this Site.

II. B. Description of activities performed to keep system operating properly

Not Applicable, See II. A.

II. C. Monitoring activities performed

Ground water monitoring and sampling at the Site during this quarter took place on April 27, 2001. This quarter's sampling included the following:

- ground water elevation measurements in all wells.
- ground water sampling of monitor wells MW-1, MW-2, MW-3, MW-3D, MW-4, MW-5 and MW-6.
- laboratory analysis of ground water samples for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Methyl-t-Butyl Ether (MTBE), TMB, Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), and Naphthalene and selected mono-methyl naphthalenes by an expanded EPA Method 8260.
- field testing for natural attenuation indicators of ground water samples, including Iron, Phosphate, Sulfide, Alkalinity, pH, dissolved oxygen, conductivity, temperature and nitrate.

The locations of all monitor wells are shown on Figure 1. Monitoring and sampling procedures are described in Appendix 1. Table 4 provides a historical summary of field activities at the site and

Appendix 2 contains this quarter's original Field Activity Logs. The laboratory results of the ground water analyses for the current monitoring period are shown on Table 1. Historic sampling results are shown on Table 2. Laboratory reports and the Chain of Custody Form are provided in Appendix 3.

During this quarter, total naphthalene concentrations (which includes mono-methyl napthalenes) above the NMWQCC standard of 30 µg/l were found in three monitor wells. These wells, MW-1, MW-2, and MW-3 were analyzed and the following PNAs were detected respectively: 1-methyl naphthalene (28 µg/l, 8.0 µg/l, and 9.3 µg/l), 2-methyl naphthalene (<25 µg/l, 11 µg/l, and 6.3 µg/l), and naphthalene (35 µg/l, 53 µg/l, and 18 µg/l). Benzene concentrations have been non-detectable in all of the sites well's since sampling was conducted for the initial site investigation conducted in March and June 1999. Although total xylene concentrations above the NMWQCC standard of 620 µg/l was detected last quarter in MW-1, all monitoring wells were below total xylene concentration standards this quarter. In an effort to more realistically characterize the analytical data generated from the quarterly sampling, FEI has adopted a reporting standard of multi-component compounds like total xylenes (see Appendix 1).

Depth to ground water varied from 10.74 feet below ground surface (bgs) in MW-4 to 11.11 feet bgs in MW-6. All ground water elevation data including the historical data is summarized in Table 3. This quarter's measurements of on-site ground water elevations indicate a slightly defined directional flow in a south-southwesterly orientation. A water elevation summary and directional flow map for the third quarter ground water measurements are shown on Figure 2.

II. D. System performance and effectiveness

Not Applicable, See II. A.

II. E. Statement verifying containment of release

Based on ground water sample results from site perimeter monitor wells, and a comparison with the previous sampling results, indications are that ground water contaminants appear to presently be contained on-site near the area of the former USTs. Please refer to Figure 1.

III. SUMMARY AND CONCLUSIONS:

III. A. Discussion of trends or changes noted in analytical results or site conditions

There has not been enough samples collected over time at the site to establish definite trends. However, laboratory results obtained during this third quarter sampling event indicate that benzene concentrations in ground water remain undetectable and that the free product previously detected in MW-1 has diminished to an unmeasurable sheen. Total xylene concentrations continue to decrease in MW-2 and MW-3 since the initial sampling conducted during the Site Investigation on 3/2/99 and 6/10/99 (see Table 2).

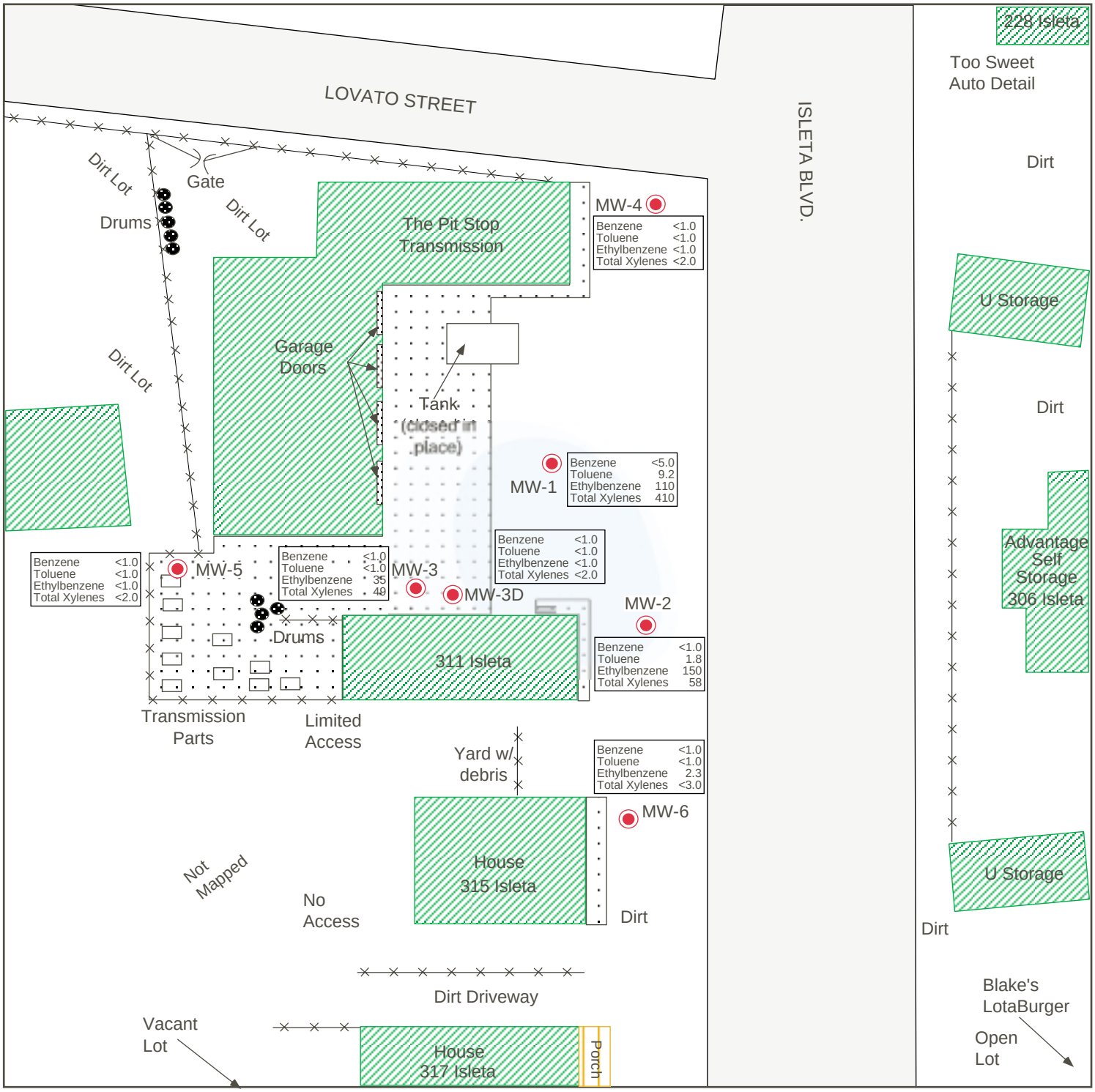
These results would indicate that the contaminant plume is an older, weathered one.

III. B. Ongoing assessment of the remediation system

Not Applicable, See II. A.

III. C. Recommendations

FEI recommends continuing site monitoring and sampling pursuant to the existing work plan approved on 11/14/00, as amended to change the report submission dates. A new work plan will be submitted shortly for conceptual remediation design at the site. The next quarterly sampling report will be submitted by 8/15/01, pursuant to the report submission date extension approval granted by the NMED/USTB on 1/30/01.



LEGEND

- Monitor Well Location
- Building
- Concrete
- Fence Line
- Trees/Vegetation

BTEX Concentration Levels and Plume

10-100 ppm
100-1000 ppm

Benzene <1.0
Toluene <1.0
Ethylbenzene <1.0
Total Xylenes <2.0

0 15 30ft
Scale

N

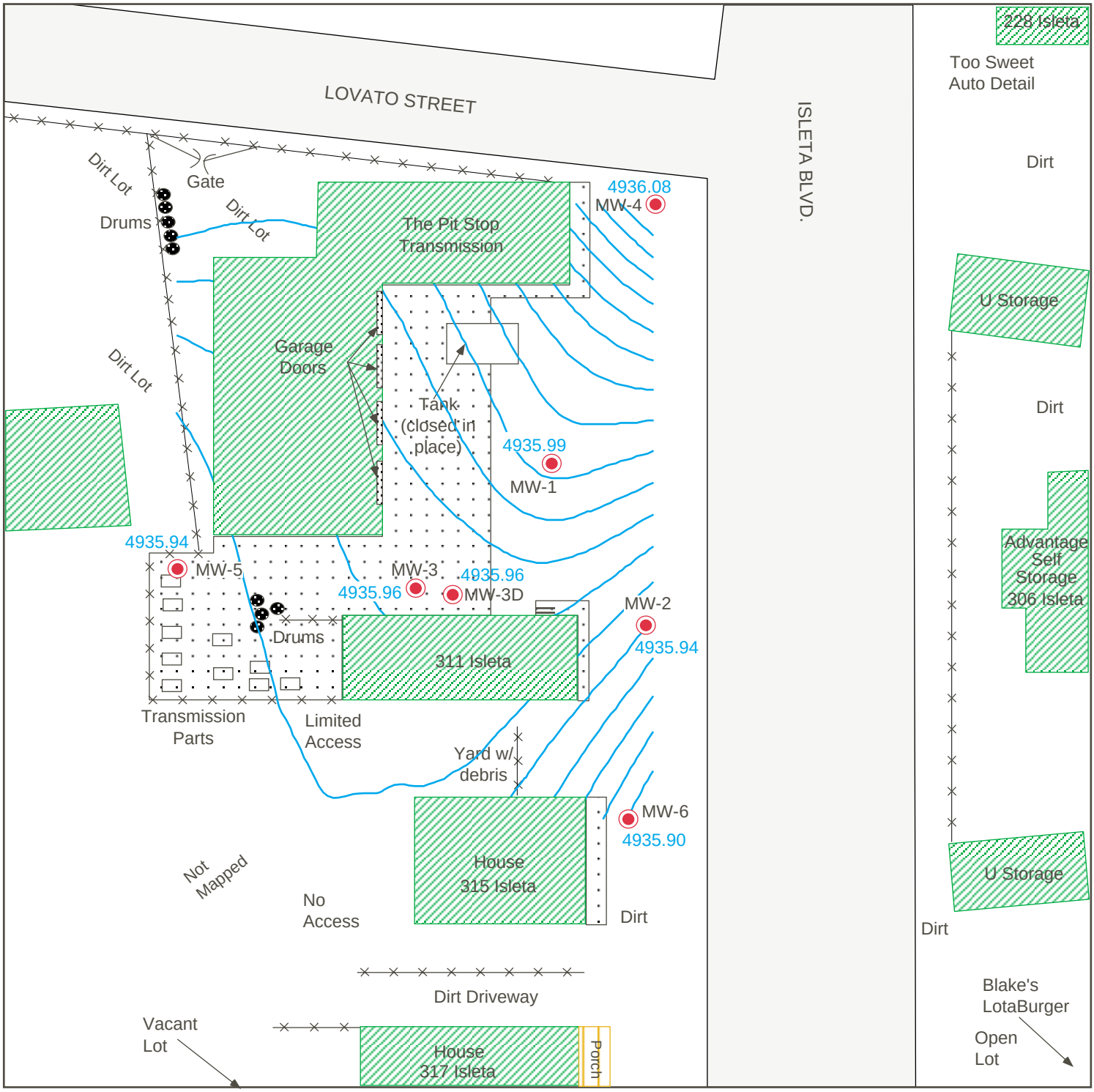
Pit Stop Site
305 Isleta SW, Albuquerque, New Mexico

FEI Faith Engineering, Inc.
541 Quantum Road NE
Rio Rancho, New Mexico 87124-4502
(505) 243-5494 • FAX (505) 243-5585
e-mail • faithinc@flash.net

TECUMSEH
PROFESSIONAL ASSOCIATES, INC.

Subject: Site Map and BTEX Concentration Levels

Drawn by: KGF/WJB	Client: BCEHD	
Date : May 2001	Figure: 1	Project: 98-01-1173



LEGEND

- Monitor Well Location
- Building
- Concrete
- Fence Line
- Trees/Vegetation
- Ground Water Contour 0.01 ft Intervals
- 4935.98 Ground Water Elevations

0 15 30ft

Scale

N

Pit Stop Site

305 Isleta SW, Albuquerque, New Mexico

FEI Faith Engineering, Inc.
541 Quantum Road NE
Rio Rancho, New Mexico 87124-4502
(505) 243-5494 • FAX (505) 243-5585
e-mail • faithinc@flash.net

TECUMSEH
PROFESSIONAL ASSOCIATES, INC.

Subject: Ground Water Contour Map		
Drawn by: KGF/WJB	Client: BCEHD	
Date : May 2001	Figure: 2	Project: 98-01-1173

TABLE 1
Pit Stop 305 Isleta
00-01-1173-05 • NMED FACILITY # 24299001
CURRENT GROUND WATER ANNALYSIS RESULTS

		ORGANICS											INORGANICS							INDICATORS		
LOCATION	**DATE SAMPLED**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**MTBE**	**EDB**	**EDC**	**TMB**	**NAPHTHALENE**	**1-METHYL NAPHTHALENE**	**2-METHYL NAPHTHALENE**	**IRON**		**PHOSPHATE**	**SULFIDE**	**ALKALINITY as CaCO.**	**DISS O2**	**NITRATE**	**pH**	**CONDUCTIVITY**	**TEMP**
UNITS		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	ug/l	µg/l	ug/l	ug/l	ug/l	µg/l		mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm	˚C
STANDARDS		**10**	**750**	**750**	**620**	**100**	**0.1**	**10**		TOTAL: **30**			SOLUBLE	TOTAL								
MW-1	4/27/01	< 5.0	9.2	110	410	< 5.0	**< 5.0**	< 5.0	113	**35**	**28**	**< 25**	*	0.4	2.0	7.0	200	1.0	1.0	6.74	757	18.7
MW-2	4/27/01	< 1.0	1.8	150	58	< 1.0	**< 1.0**	< 1.0	33.8	**53**	**8.0**	**11**	*	0.2	3.0	12.0	295	0.5	1.0	6.63	975	18.3
MW-3	4/27/01	< 1.0	< 1.0	35	49	< 1.0	**< 1.0**	< 1.0	41.3	**18**	**9.3**	**6.3**	*	0.2	2.0	0.0	250	1.0	1.0	6.86	1101	17.7
MW-3D	4/27/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	*	0.1	1.0	0.0	200	2.0	1.5	6.81	1054	18.1
MW-4	4/27/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	*	0.1	2.0	5.0	125	1.0	1.0	6.85	677	18.0
MW-5	4/27/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	*	0.6	2.0	6.0	110	1.5	1.5	6.79	619	17.7
MW-6	4/27/01	< 1.0	< 1.0	2.3	< 3.0	< 1.0	**< 1.0**	< 1.0	< 2.0	2.4	7.7	7.0	*	1.0	4.0	9.0	200	0.5	1.0	6.64	1042	19.1
TRIP BLANK	4/26/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0										

Data checked _____ / _____

Faith Engineering, Inc
6/7/01

TABLE 2
Pit Stop 305 Isleta
00-01-1173-05 • NMED FACILITY # 24299001
HISTORY OF GROUND WATER TESTING

		ORGANICS											INORGANICS							INDICATORS		
LOCATION	**DATE SAMPLED**	**BENZENE**	**TOLUENE**	**ETHYL BENZENE**	**TOTAL XYLENES**	**MTBE**	**EDB**	**EDC**	**TMB**	**NAPHTHALENE**	**1-METHYL NAPHTHALENE**	**2-METHYL NAPHTHALENE**	**IRON**		**PHOSPHATE**	**SULFIDE**	**ALKALINITY as CaCO.**	**DISS O2**	**NITRATE**	**pH**	**CONDUCTIVITY**	**TEMP**
UNITS		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	ug/l	µg/l	µg/l	ug/l	ug/l	µg/l		mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm	˚C
STANDARDS		**10**	**750**	**750**	**620**	**100**	**0.1**	**10**		TOTAL: **30**			**SOLUBLE**	**TOTAL**				FIELD				
MW - 1	3/2/99	Not Sampled - PSH sheen											*	*	*	*	*	*	*	*	*	*
	9/14/00	< 1.0	1.8	150	< 1	< 1.0	**< 1.0**	< 1.0	550	**110**	*	*	0.2	0.2	1.5	0.8	185	0.5	0.6	7.06	941	22.7
	1/26/01	< 5.0	28	320	**1250**	< 5.0	**< 5.0**	< 5.0	441	**120**	**38**	**49**	0.2	0.2	1.5	2.5	250	1.0	0.6	6.74	850	16.3
	4/27/01	< 5.0	9.2	110	410	< 5.0	**< 5.0**	< 5.0	113	**35**	**28**	**< 25**	*	0.4	2.0	7.0	200	1.0	1.0	6.74	757	18.7
MW - 2	3/2/99	< 1.0	4	310	131	< 1.0	*	< 1.0	*	17.9	*	*	*	*	*	*	*	*	*	*	*	*
	9/14/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	51.6	**80**	*	*	0.2	0.2	2.0	3.0	270	0.5	1.0	6.72	1045	23.7
	1/26/01	< 1.0	1.8	160	< 51	< 1.0	**< 1.0**	< 1.0	29	**56**	**20**	**25**	0.3	0.4	1.5	2.0	225	1.0	0.8	6.79	781	16.7
	4/27/01	< 1.0	1.8	150	58	< 1.0	**< 1.0**	< 1.0	33.8	**53**	**8.0**	**11**	*	0.2	3.0	12.0	295	0.5	1.0	6.63	975	18.3
MW - 3	3/2/99	< 5.0	26	390	**1570**	< 5.0	< 0.01	< 5.0	*	**43.8**	*	*	*	*	*	*	*	*	*	*	*	*
	9/14/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	23	*	*	0.2	0.2	3.0	0.1	195	0.5	0.8	7.28	1012	22.6
	1/26/01	< 1.0	1.3	57	83	< 1.0	**< 1.0**	< 1.0	90.5	**26**	**10**	**8.4**	0.1	0.4	2.0	0.1	225	1.0	0.4	6.82	874	15.6
	4/27/01	< 1.0	< 1.0	35	49	< 1.0	**< 1.0**	< 1.0	41.3	**18**	**9.3**	**6.3**	*	0.2	2.0	0.0	250	1.0	1.0	6.86	1101	17.7
MW - 3D	6/10/99	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 0.01	< 1.0	18.6	< 1.0	*	*	*	*	*	*	*	*	*	*	*	*
	9/14/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	*	*	0.1	0.2	1.5	0.0	195	0.5	1.0	7.13	909	21.5
	1/26/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	0.2	0.4	1.5	0.0	150	1.5	0.8	6.88	788	15.7
	4/27/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	*	0.1	1.0	0.0	200	2.0	1.5	6.81	1054	18.1
MW - 4	3/2/99	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	< 1.0	*	< 0.1	*	*	*	*	*	*	*	*	*	*	*	*
	9/14/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	*	*	0.1	0.3	4.0	0.0	175	1.0	1.0	6.71	796	22.7
	1/26/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	0.6	1.5	2.0	0.0	200	2.0	1.0	6.83	706	15.4
	4/27/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	*	0.1	2.0	5.0	125	1.0	1.0	6.85	677	18.0

TABLE 2
Pit Stop 305 Isleta
00-01-1173-05 • NMED FACILITY # 24299001
HISTORY OF GROUND WATER TESTING

		ORGANICS											INORGANICS							INDICATORS		
LOCATION	**DATE SAMPLED**	**BENZENE**	**TOLUENE**	**ETHYL BENZENE**	**TOTAL XYLENES**	**MTBE**	**EDB**	**EDC**	**TMB**	**NAPHTHALENE**	**1-METHYL NAPHTHALENE**	**2-METHYL NAPHTHALENE**	**IRON**		**PHOSPHATE**	**SULFIDE**	**ALKALINITY as CaCO.**	**DISS O2**	**NITRATE**	**pH**	**CONDUCTIVITY**	**TEMP**
UNITS		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	ug/l	µg/l	µg/l	ug/l	ug/l	µg/l		mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm	˚C
STANDARDS		**10**	**750**	**750**	**620**	**100**	**0.1**	**10**		TOTAL: **30**			SOLUBLE	TOTAL				FIELD				
MW - 5	6/10/99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.01	< 1.0	< 1.0	< 1.0	*	*	*	*	*	*	*	*	*	*	*	*
	9/13/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	*	*	0.6	1.5	1.5	0.2	180	1.0	0.6	6.67	643	21.3
	1/26/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	1.5	4.0	1.0	0.0	200	2.0	1.0	6.68	673	16.6
	4/27/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	*	0.6	2.0	6.0	110	1.5	1.5	6.79	619	17.7
MW - 6	6/10/99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.01	< 1.0	< 1.0	1.0	*	*	*	*	*	*	*	*	*	*	*	*
	9/14/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	**< 1.0**	< 1.0	< 2.0	< 1.0	*	*	0.2	0.6	2.0	0.0	220	0.5	1.0	7.02	1012	22.7
	1/26/01	< 1.0	< 1.0	< 1.0	< 2.6	< 1.0	**< 1.0**	< 1.0	< 2.0	1.8	< 5.0	< 5.0	0.3	1.5	2.0	0.0	195	1.5	1.0	6.91	774	16.9
	4/27/01	< 1.0	< 1.0	2.3	< 3.0	< 1.0	**< 1.0**	< 1.0	< 2.0	2.4	7.7	7.0	*	1.0	4.0	9.0	200	0.5	1.0	6.64	1042	19.1

* - Not Sampled/Not Tested
Bold - Above Action Limits

Data checked _____ / _____

TABLE 3
00-01-1173-01 • The Pit Stop • 305 Isleta Blvd. SW
NMED FACILITY #24299001
SUMMARY OF GROUND WATER ELEVATION MEASUREMENTS

WELL NUMBER	ELEVATION (feet above datum)	DATE	STATIC (feet BG)	WATER LEVEL (feet AD)	(+) = RISING (-) = FALLING	DEPTH TO PRODUCT	PRODUCT THICKNESS
MW-1	4946.87	3/2/99	11.23	4935.64	0	11.22	0.01
		9/3/99	11.05	4935.82	0.18	-	-
		9/14/00	11.41	4935.46	-0.36	11.20	0.21
		1/26/01	10.89	4935.98	0.52	10.89	Trace
		4/27/01	10.88	4935.99	0.01	-	-
MW-2	4946.98	3/2/99	11.41	4935.57	0	-	-
		9/3/99	11.24	4935.74	0.17	-	-
		9/14/00	11.39	4935.59	-0.15	-	-
		1/26/01	11.07	4935.91	0.32	-	-
		4/27/01	11.04	4935.94	0.03	-	-
MW-3	4947.02	3/2/99	11.45	4935.57	0	-	-
		9/3/99	11.24	4935.78	0.21	-	-
		9/14/00	11.42	4935.60	-0.18	-	-
		1/26/01	11.04	4935.98	0.38	-	-
		4/27/01	11.06	4935.96	-0.02	-	-
MW-3D	4946.98	6/10/99	11.26	4935.72	0	-	-
		9/3/99	11.21	4935.77	0.05	-	-
		9/14/00	11.38	4935.60	-0.17	-	-
		1/26/01	11.04	4935.94	0.34	-	-
		4/27/01	11.02	4935.96	0.02	-	-
MW-4	4946.82	3/2/99	11.11	4935.71	0	-	-
		9/3/99	10.91	4935.91	0.20	-	-
		9/14/00	11.07	4935.75	-0.16	-	-
		1/26/01	10.76	4936.06	0.31	-	-
		4/27/01	10.74	4936.08	0.02	-	-
MW-5	4947.01	6/10/99	11.37	4935.64	0	-	-
		9/3/99	11.25	4935.76	0.12	-	-
		9/13/00	11.46	4935.55	-0.21	-	-
		1/26/01	11.08	4935.93	0.38	-	-
		4/27/01	11.07	4935.94	0.01	-	-
MW-6	4947.01	6/10/99	12.20	4934.81	0	-	-
		9/3/99	11.31	4935.70	0.89	-	-
		9/14/00	11.48	4935.53	-0.17	-	-
		1/26/01	11.07	4935.94	0.41	-	-
		4/27/01	11.11	4935.90	-0.04	-	-

Data checked _____ / _____

Table 4
Pit Stop 305 Isleta
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Summary of Tasks Performed in the Field

DATE	FIELD TECH.	DESCRIPTION
2/10/99	BW	Drill MW-1, MW-2, MW-3 and MW-4.
2/11/99	BW	Take soil borings.
3/2/99	KGF	Sampling of MW-1, MW-2, MW-3, MW-4. Obtain GW levels.
5/25/99	BW	Take soil borings. Drill MW-3D.
6/1/99	BW	Drill MW-6.
6/10/99	KGF	Sampling of MW-3D, MW-5, MW-6.
8/6/99	BW	Obtain soil Physical characteristics.
9/3/99	KGF	Obtain all GW levels.
9/13/00 - 9/14/00	KGF, MB	Initial sampling round(1st Qtr)-all existing wells, site survey.
1/26/01	KGF, MB	2nd Quarterly sampling round-all wells.
4/27/01	KGF, MB	3rd Quarterly sampling round-all wells.

Data checked _____ / _____

APPENDIX 1

Sampling Protocol

Prior to any sampling, well development or purging, all monitor wells were sounded for depth to ground water. FEI used an electronic sounder with an accuracy of ±0.01/foot. Ground water elevations (from datum) were determined using survey data collected during the Hydrogeologic Investigation.

Prior to any sampling event, a minimum of three (3) well bore volumes were purged from each well using a Grundfos Sampling Pump. Samples were collected in HCl preserved VOAs and placed on ice in a container for delivery to Pinnacle Laboratories, in Albuquerque, New Mexico, for analyses. The ground water samples were analyzed for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Naphthalene, Methyl-t-Butyl Ether (MTBE), TMB, Ethylene Dibromide (EDB) and Ethylene Dichloride (EDC) by EPA Method 8260 with an expanded Naphthalene range (PBMS). Natural attenuation indicator parameters Iron, Phosphate, Sulfide, Alkalinity, pH, dissolved oxygen, conductivity, temperature and nitrate were analyzed and measured in the field using the appropriate field test kits and equipment. All EPA-approved sampling protocols were observed and a chain of custody was maintained on all samples.

In an effort to more realistically characterize the analytical data generated from the quarterly sampling, FEI has adopted a reporting standard of multi-component compounds like total xylenes. Detection limit values in a multi-component compound that are reported as below detection limits and are less than 10 percent of the lowest detectable value will not be added-in as part of the total concentration value. This will eliminate confusion regarding the “less-than” symbols where concentrations have been detected.

APPENDIX 2

Field Notes

APPENDIX 3

Analytical Laboratory Reports